

Thursday, July 18, 2002

## Orbiter processing still under way; launch dates under review



▲ **Shuttle Update: Columbia** — Following inspections of Main Propulsion System (MPS) flow liners that identified three cracks on engine No. 2 liquid hydrogen flow liner, mission managers delayed Columbia's launch date until a full engineering analysis is complete. **Endeavour** — Eddy current testing of liquid oxygen and hydrogen flow liners are complete. Technicians identified two cracks, the first on engine one and the second on engine two liquid hydrogen flow liners. The cracks are similar to the ones discovered on the other three orbiters. In parallel to the flow liner inspections, Shuttle Endeavour processing continues for its next mission to the International Space Station. Removal of the Multi-Purpose Logistics Module from the payload bay was completed last week. **Atlantis** — Processing continues for launch to the International Space Station. Controller tests are complete on Auxiliary Power Units No. 2 and 3. Left-hand Orbital Maneuvering System (OMS) engine heat shield installation is complete. Inspections of Atlantis identified three cracks on engine No. 1 liquid hydrogen flow liner. All launch dates are under review.

▲ **FWPWG Seminar on the Brevard County School System:** The Federal Women's Program Working Group (FWPWG) has invited personnel from Brevard County School System to present information on July 19 to Kennedy Space Center personnel on the Brevard County School System. The seminar will begin promptly at 11 a.m. and will continue to noon, allowing time for questions between each presentation, shown below:

- Sarah Stern, Director, District Communications/Public Information, will present district statistics, including FCAT scores for Brevard County.



## KSC group offers seminar on county school system

- Al Narvez, director, Office of Choice Schooling, will discuss choice, charter and millennium schools.
- Margaret Lewis, director, Office of Applied Technology, will present information about applied technology for high schools. (High-Tech High)

The seminar will be held in the O&C Mission Briefing Room, with seating for about 75 - 100 attendees, on a first-come basis.

◆ **Reminder:** The SGS Energy Management Office is sponsoring a course on Energy Management. Instructor Kevin Riley will answer questions such as "What are some tips to applying and saving energy at work and at home?" The course will be held on July 18, from 10-10:45 a.m., in the O&C Building/Room 2138. If you have any questions, please call the SGS Energy Management Office, 867-8193.

◆ **NASA Science:** Samples of fire moss that travel onboard the Space Shuttle do something odd: they spiral. Scientists say it's a clue to the fundamental inner workings of plant cells. Read the full story at the Web site [http://science.nasa.gov/headlines/y2002/16jul\\_firemoss.htm](http://science.nasa.gov/headlines/y2002/16jul_firemoss.htm).



◆ **Did You Know?** KSC was first designated a Launch Operation Center (LOC) July 1, 1962. To mark the 40th anniversary, the July 12 *Spaceport News* offers a look back at the beginnings and a glimpse at what's ahead. Also, the KSC

web site Multimedia Gallery is collecting a variety of photos (more than 60 are already posted) that highlight the places, people and events of the past 40 years (Cape Canaveral, above). Look for the *40th Anniversary* link on the page.

KSC Countdown is published every Tuesday & Thursday.

Deadlines: 10 a.m. the day before. Send information, comments or questions to:

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Find Countdown on the Web at <http://www-pao.ksc.nasa.gov/kscpao/ksccount/2002.htm>